

**What is claimed is:****1. A single-handle cordless defibrillator, comprising:**

a pair of paddles that includes a pair of electrodes (105) respectively connected to a first -end portion of the pair of paddles;

the pair of paddles having a second end portion in communication with a single -handle, with at least one paddle of the pair of paddles being pivotable about a pivot arranged between the at least one paddle and the single-handle;

a regulator arm in communication with the pivot for adjusting the pivot of at least one paddle about the pivot so that a distance between the electrodes is variable by moving the regulator arm; and

defibrillator circuitry arranged completely within the single -handle.

**2. The defibrillator according to claim 1, further comprising:**

a locking mechanism or spring that retains the regulator arm at a desired position so as to maintain a desired distance between the electrodes.

**3. The defibrillator according to claim 1, wherein the plurality of defibrillator circuitry includes a power supply.**

**4. The defibrillator according to claim 1, wherein the defibrillator circuitry includes an energy storage unit.**

**5. The defibrillator according to claim 1, wherein the defibrillator circuitry includes a control circuit.**

6. The defibrillator according to claim 1, wherein the defibrillator circuitry includes a power supply.

7. The defibrillator according to claim 1, further comprising a discharge switch that is arranged at least partly within the single-handle.

8. The defibrillator according to claim 5, further comprising a discharge switch that communicates with the control circuit to initially request a shock to a patient.

9. The defibrillator according to claim 1, further comprising a control switch that is adapted for a user to vary the amount, duration, and type of electrical impulse applied to a patient.

10. The defibrillator according to claim 1, wherein the defibrillator comprises an internal defibrillator having electrodes adapted for applying a shock internally to a patient's heart.

11. The defibrillator according to claim 10, wherein at least some of a plurality of components of the internal defibrillator are disposable after being used on a single patient, and a maximum energy applied for internal defibrillation comprises less than 50 Joules.

12. A dual-handle cordless defibrillator comprising:

a pair of paddles including a pair of electrodes attached respectively to a first -end portion of the pair of paddles;

the pair of paddles each having a second-end portion connected respectively to one of dual -handles, respectively;

a conductor for electrically connecting the dual -handles; and,

a defibrillator circuitry arranged within the dual -handles.

13. The defibrillator according to claim 12, further comprising:

an adjustable track that is attached to the dual -handles to adjust a distance between the electrodes by adjusting a distance between the dual -handles.

14. The defibrillator according to claim 13, further comprising:

a locking mechanism or spring that locks the dual -handles to the adjustable track at a predetermined position so as to fix the distance between the electrodes.

15. The defibrillator according to claim 12, wherein the defibrillator circuitry further comprises a power supply.

16. The defibrillator according to claim 12, wherein the plurality of defibrillator circuitry includes an energy storage unit.

17. The defibrillator according to claim 12, wherein the plurality of defibrillator circuitry includes a control circuit.

18. The defibrillator according to claim 12, wherein the defibrillator circuitry includes a power supply.

19. The defibrillator according to claim 12, wherein the electrodes are adapted for providing internal defibrillation.

20. The defibrillator according to claim 12, wherein the conductor comprises a flexible circuit board.

21. A method of providing a single -handle cordless defibrillator, comprising the steps of:

- (a) attaching a pair of electrodes respectively to a first -end portion of the pair of paddles;
- (b) connecting a second -end portion of the pair of paddles to a single handle, with at least one paddle of the pair of paddles being movable about a pivot arranged between the one paddle and the single handle; and,
- (c) providing a regulator arm to adjust the pivot of at least one paddle about the pivot so that a distance between the electrodes is variable by moving the regulator arm; and,
- (d) arranging defibrillator circuitry completely within the single handle.

22. The method according to claim 21, further comprising (e) providing a locking mechanism to keep the regulator arm at a desired position so as to lock -in a desired distance between the electrodes

23. A method of providing a dual -handle cordless defibrillator comprising the steps of:

- (a) attaching a pair of electrodes respectively to a first -end portion of a pair of paddles;
- (b) connecting a second -end portion of each paddle of the pair of paddles to one of dual -handles, respectively;
- (c) electrically connecting the dual -handles; and,
- (d) arranging defibrillator circuitry within the dual -handles.

24. The method according to claim 23, further comprising:

- (e) providing an adjustable track that attaches to the dual -handles to adjust a distance between the electrodes by adjusting the distance between the dual -handles.

25. The method according to claim 24, further comprising:

(f) providing a locking mechanism for the adjustable track to fix the distance between the electrodes at a desired distance.